

Accordance Systems

ARAID™ 2200 SATA/eSATA RAID Controller

Data mirroring protects against data loss

"Now that an inexpensive, easily installed, hardware-based RAID is available, there's no excuse to put your valuable images and data files at risk."

*- Arthur H. Bleich
After Capture*



Overview

The ARAID is a self-contained RAID storage subsystem that plugs into the computer's SATA or eSATA physical interface. The unit appears to the computer as a single, standard hard drive, but maintains identical data on two hard drives with minimal overhead (RAID 1 Disk Mirroring).

If one disk fails, the ARAID automatically uses the remaining good drive which contains 100% of your data. The computer will continue to operate without interruption. Hotswap capability allows the failed hard drive to be replaced without rebooting.

The ARAID subsystem supports all popular computing platforms including Windows, Linux and Macintosh. Attaching an ARAID to a computer's existing SATA or eSATA controller instantly provides sophisticated data protection including RAID 1 (disk mirroring), backup of user data, operating systems, applications, database and open files

Features

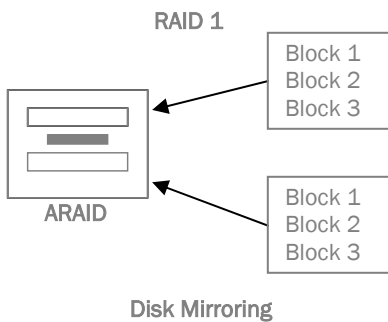
- Connects to a single SATA or eSATA PC host interface and power
- Hosts two 3.5" SATA drives
- Provides RAID 1 disk mirroring for data redundancy
- Requires no additional software or controller cards to operate
- Disks are hot-swappable for data backup and disk replacement
- SATA 3G, SATA, SATA II support
- Supports 10000/7200/5400 RPM drives
- Includes an SNMP Agent for enterprise network management
- Quiet forced air cooling
- LCD display for system and hard drive status
- LED indicators and sounding alarm

Installation and Use

The ARAID is a RAID subsystem that mounts into two drive bays and supports two Serial ATA or eSATA drives. No software is required for installation or operation. Installing an ARAID is as simple as installing a normal hard drive, and is much simpler than installing a PCI RAID card and configuring cumbersome RAID control software.

RAID 1 for Data Redundancy

RAID 1 systems mirror data onto two drives by performing all data write operations to both drives. Data read operations are performed simultaneously on both drives. Overall, the ARAID imposes only a 4% overhead on the computer system as the RAID control is done in hardware.



Disk-to-Disk backup

The ARAID provides an effective backup for disk failures, but an off-site data backup strategy is still required for protection against disaster scenarios.

The ARAID can be used to implement an easy to manage disk-to-disk backup strategy by using an extra tray and disk drive. Simply swap one of the ARAID disk drives with the backup drive and then store the backup drive off-site. The complexity and labor of tape backups is eliminated and backups can be performed without shutting down the PC. Restoring data is as simple as shutting down the PC and inserting the recovery drive into the primary slot of the ARAID and rebooting the PC.

ARAID 2200 External Unit



Local Management

ARAIDEye™, a Windows program for monitoring the ARAID, provides drive operation status, fan speed and temperature status. The ARAID connects to the serial port on the PC and the ARAIDEye program displays status information using a Windows GUI.

SNMP Management

Accordance provides an SNMP Agent (Simple Network Management Protocol) for the ARAID. Information provided includes disk status, fan speed and temperature. It is compatible with Accordance's OpManager, HP's OpenView, and IBM's NetView. The Accordance SNMP Agent supports an enterprise MIB, MIB II and ARAID traps.

Ordering Information

Part Number	Description	Drives	Host Interface
112-0001	ARAID 1000 IDE Controller	IDE	IDE
114-0002	ARAID 1000 External FW	IDE	Firewire
114-0003	ARAID 1000 External USB	IDE	USB
114-0004	ARAID 1000 External IDE	IDE	IDE
882-0017	ARAID 2000 SATA Controller	SATA	IDE or SATA
884-0025	ARAID 2000 External SATA	SATA	SATA
884-0026	ARAID 2000 External FW	SATA	Firewire
884-0027	ARAID 2000 External USB	SATA	USB
885-0017	ARAID 2200 SATA Controller	SATA	SATA , eSATA, SATA II

External Models

Accordance offers its popular ARAID 1000 and 2000 models in convenient plug-and-play external units. Each unit is housed in a fan cooled desk top chassis that connects via USB, Firewire, or SATA/IDE external cables.

Compatible Operating Systems

Windows: Vista, Server 2003, 2000, NT4.0, XP/ME/98

MacIntosh: OS9 and above

Linux: Red Hat, SUSE, MontaVista, Slackware, Debian, Turbo, Mandrake, and Ubuntu

DOS: 6.22

SCO UNIX: System V

Novell: NetWare

Sun: Solaris



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